AFFILIATE

The REPEATER JOURNAL

CAROLINAS – VIRGINIA REPEATER ASSN., INC.

ORGANIZED 1971

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OFFICERS AND DIRECTORS ELECTED 1975

Under the provisions of the new Articles of Association and By Laws, which were adopted at the Board of Directors Meeting August 31, 1974, the following Officers and Directors have been elected for terms beginning January 1, 1975:

President:	Ed Alderman, WA4PEN, Raleigh, NC	Rptr WR4ACF
Vice President:	Charles Durst, WA4WTX, Durham, NC	Rptr WR4AGC
Secretary:	Dave Rawley, W4WDI, High Point, NC	Rptr WR4AFV
Treasurer:	Al Ross, K4CAW, Greensboro, NC	Rptr WR4ABL

Directors and Vice Directors in each District:

Mountain	Director:	Hank Holcomb, WB4MOV, Lynchburg, Va.	Rptr WR4ADY
	Vice Dir:	Al Dyson, W4PDL, Salem, Va.	Rptr WR4AFE
Central	Director:	Bill Bridges, K4WHQ, Shelby, NC	Rptr WR4ABF
	Vice Dir:	Ken Dresser, WB4NDB, Charlotte, NC	Rptr WR4AEU
Eastern	Director:	Charles Durst, WA4WTX, Durham, NC	Rptr WR4AGC
	Vice Dir:	Danny Hampton, K4ITL, Raleigh, NC	Rptr K4ITL
Coastal	Director:	Calvin Dempsey, WA4UQC, Tarboro, NC	Rptr WR4ABP
	Vice Dir:	Eddie Sellers, W4NTQ, Whiteville, NC	Rptr WR4AHL
Piedmont	Director:	Don Harris, W4BUZ, Greensboro, NC	Rptr WR4ABL
	Vice Dir:	John Huffman, W4IRE, Winston-Salem, NC	Rptr WR4ACA
Northern	Director:	Carter Cogle, K4ARO, Petersburg, Va.	Rptr WR4ACW
	Vice Dir:	Tom Gimbert, K4PQD, Rixeyville, Va.	Rptr WR4ABU
Southern	Director:	Hugh Minton, K4FR, Aiken, SC	Rptr WR4ABB
	Vice Dir:	Cliff Semken, K4OKD, Charleston, SC	Rptr WR4AFX
Western	Director:	Ron Alberton, WA4MWC, Greer, SC	Rptr WR4ABG
	Vice Dir:	Ralph Roberts, WA4NUO, Asheville, NC	Rptr WR4AGF
Bay	Director:	Bill Shaw, WB2LAI/4, Chesapeake, Va.	Rptr WR4ACN
	Vice Dir:	Joe Stevens, WA4JZX, Elizabeth City, NC	Rptr WR4ADN

"THE AUTOPATCH - FRIEND OR FOE"

The FCC is sitting back, watching and listening to how the amateurs handle the autopatch privilege. This is a very controversial area and one which could easily result in FCC intervention if we are not careful. The amateur who connects his telephone to his ham rig has always been watched closely - by the FCC and the various telephone companies - whether it be phone patching on 20 meters, or the more sophisticated autopatch on the VHF Repeaters.

The repeater autopatch has put the "crown" on the amateur's public service portfolio. For now, the amateur does not need to call someone to have that person call the police or fire department, but can now do it himself. He can talk directly with the CD Director/Sherriff/Hospital/etc, and can almost conduct a SET exercise single handed - yes he is almost a "one man band". But we can sure create some problems for ourselves if we don't stay on our toes.

There are 4 key potential problem areas regarding autopatches:

1. The FCC has made it clear..... you had better not handle any traffic on an autopatch which involves in a monetary return to anyone. Do not order a Pizza from Shakeys, inquire as to the status of your catalog order from Sears, call the local beauty parlor for an appointment, call your wife to determine (directly or indirectly) if you have had any business calls, or call the "Time of Day" service (if it contains a commercial advertisement).

2. Do not use the autopatch from a base station to avoid regular long distance telephone calls. To quote Gary Hendrickson, W3DTN, A FCC staff member and avid repeater enthusist....."This is strictly an illegal practice as it is considered defrauding the telephone company of its rightful revenues". To remain strictly on the legal side of things, only use the autopatch from your mobile as you travel in the area normally considered as the regular coverage of the repeater.

3. Try to restrain yourself from purchasing a low priced Touchtone pad which may have been picked up illegally. Buy from a reputable source and get a receipt.

4. Insure that the telephone at the repeater site is properly connected to the repeater with a telephone company installed coupler. It is a little expensive, but is required to be legal in this area. If you plan to use the autopatch on the local repeater, you should be more than willing to fork over the funds on a regular basis to support this added repeater expense.

The autopatch is a wonderful instrument to have available in an emergency, and we will have it available as long as we carefully watch our actions.

Remember that you and the repeater both must log autopatch calls in your logs, since it is third party traffic. Of course you can write the required info in your mobile log, but what about the repeater? Well, most have a tape recorder hooked up to record all, or a few seconds of the beginning, of the telephone call. The recorder starts usually when you access the patch - ie, the tone which activates the autopatch also starts the recorder. So you must tell the recorder who you are calling -- it doesn't do any good to announce all of this before you access the patch however, for the recorder is not yet running.

So, how about a simple step by step process to follow? (cont'd page 4)

"SOME NOTES ON TRAFFIC HANDLING"

Chuck Bino, K4CJZ

On at least three occassions on the air, situations have occurred which resulted in harsh words and hard feelings between normally friendly operators. In each case that I witnessed, it was the outcome of handling traffic to the Police Department or the Highway Patrol. Since these involved traffic handling, some clarification is in order so that future incidents can be avoided. It was apparent that the problem stemmed mainly from a lack of understanding of the nature of message priorities as well as poor reporting procedure.

We will be concerned, normally, with two types of priority --"routine" and "emergency". I'm sure that most of us know the difference, but for those who have a tendency to forget, and those who haven't heard initially, the explanation follows:

a) "Emergency" traffic involves personal injury, or a potential hazard to life or property.

b) "Routine" traffic is everything else which is less important.

In the "Emergency" category fall gross traffic hazards such as large oil spills, fallen bridges, house fires, and other potentially falal situations. A serious accident is an emergency situation. Also, a fire or incidents involving larceny or theft fall into this category. In the Greensboro area, we have been requested by the local police to be especially wary of potential burglary and theft on Sunday mornings while most families are in church services, and report these via radio (telephone) to them.

Minor traffic accidents, normally called "fender benders", do not normally constitute an emergency. Nor does stalled traffic as a result of such a minor accident. Other examples of routine traffic situations are a motorist stalled from a malfunction or one suffering from lack of gas, especially when assistance is only an overpass away. If you really want to help, avoid the dramatics on the air, determine the location of the nearest service station, and offer the individual a lift.

In any event, good common sense needs to be employed by the reporting station in selecting a proper priority. If you tend to overreact and label a routine situation as an emergency, you've done yourself, the police, and the listening public a disservice. The police departments are especially sensitive to the difference and will handle your traffic in the proper manner anyhow. Keep calm, its contagious.

How should one handle emergency traffic? The length of transmissions, especially during the rush hours is usually short enough so that no unreasonable time will elapse before one can break with the call, "Break, emergency", or just "Emergency". "Mayday", or "QRRR", by custom aren't really appropriate unless you are going down for the third time, or a ship in distress.

After you have contacted a base station who can make the call for you, you must establish that he is ready to copy your traffic. Considerable time can be saved, perhaps a life, if you don't have to repeat several times.

While he is handling your message, you should request a "Clear Channel" until your message is delivered and no additional clarification is needed. (cont'd page 4)

"SOME NOTES ON TRAFFIC HANDLING"..... Chuck Bino, K4CJZ (cont'd from page 3)

Common courtesy has it that no one will knowingly interfere with such emergency traffic and the frequency should remain clear. It has occurred often that stations switching channels will call without listening. Remember, listening first is an FCC requirement and ultimately a courtesy to your fellow ham. On the other hand, the reporting mobile should periodically request his "clear channel" and handle unsuspecting breakers with both calm and courtesy.

Escitement or annoyance on the part of the reporting station is usually contagious also, and can hurt the situation.

The handling of routine traffic is pretty much the same, except that a simple "break" is only required. Please make sure the base station is ready to copy. In handling routine traffic, it is nether required nor expected that a clear channel be maintained while confirmation of the delivered phone call is being waited on by the reporting mobile. Again, normal conversation s can continue until an appropriate "break" is called for by the base station to confirm the phone call.

In short, let's not overreact or exaggerate the importance of routine traffic. Dramatics belong in the theatre, not in our hobby. If we become annoyed and cause hard feelings, the hobby is no longer the fun it was intended to be. Also, it was never expected that we try to justify our existence routinely by performing the "so-called" public service" of saving some individual the cost of a phone call. If you do it, it will be for personal reasons, not because it is required. But when you do it, be courteous and wear a smile on the air. It is also contagious.

"THE AUTOPATCH - FRIEND OR FOE" (cont'd from page 2)

1. Announce your call letters, "This is K4AAA Mobile four", and access the patch by pressing the correct button on your Touchtone pad. The access button is usually the "*", but not always.... and hold it down for about 2 seconds.

2. When you hear the dial tone, announce: "This is K4AAA Mobile four calling Mrs. Mary Smith". Then proceed to dial your number. You do not have to give the telephone number you are calling since the recorder will record the tones anyway.

3. When completing the call, press the disconnect button on your pad, usually the "#". It is not necessary that you say that you are clear of the autopatch, when you clear out, it is obvious.

You should remember to always give your call letters prior to accessing the patch as this provides a timely ID in case you are not successful in bringing up the patch, or in case you end up having some difficulty. Frequently you will hear a series of tones emitted as someone tries to bring up the patch, andif he fails-- very seldom do you hear an ID. And remember the three minute timer? Well, it is connected to the repeater just as it always has, so keep your calls short or the party will wonder what happened.

Look forward to the next issue of the Journal as it will contain a feature article dealing with the Touchtone Pad, and how to connect it up to your rig. So make use of all the fine autopatches as they become available--- watch your actions --- and help support the guy who is footing the bill.

"FM CONVENTION IN OUR FUTURE"

The Durham FM Association is planning a FM Convention to be held the weekend of May 17-18, 1975, at the Ramada Inn in downtown Durham, NC. Festivities will start around noon on Saturday with a banquet Saturday night featuring a nationally known amateur FM enthusist as guest speaker. Technical sessions will be scheduled Saturday afternoon and Sunday. Representatives from various equipment manufacturers and suppliers will be present displaying their equipment, and hopefully several members of the FCC staff will be able to participate in some of the sessions.

Many members of the CVRA will be involved in this Convention which will be the first of its type in this area. There will be a meeting of the CVRA at the Convention, and we encourage all members to plan on attending this special gathering.

If you or your organization would be interested in sponsoring or conducting a session at the Convention, please contact Charles Durst, WA4WTX, or any other member of the Durham FM Association.

The Convention date has been coordinated with ARRL in an effort to avoid conflict with other amateur events.

Hope to see you there ---- spread the word on all of the repeaters and at club meetings. Details of the Convention will appear in the February issue of "The Repeater Journal".

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(CAPE KENNEDY, FLA.) ---- An exhibit on OSCAR prepared by ARRL has been delivered and set up in the visitors pavilion of the Kennedy Space Center. This exhibit was presented as an outright gift to the government who will maintain and care for the exhibit. If you are planning a trip to the Space Center, be sure to take a look at this very special amateur radio exhibit. And tell your non amateur friends to survey this too.

(FAYETTEVILLE, NC) ----- WR4ADK (31/91), now located on the Science Building of the Methodist College, six miles north of Fayetteville on US 401. WB4FXM reports the mobile coverage is a good solid 30 miles in all directions now. Repeater output is 22 watts being fed into a homebrew 14dB gain omni antenna at 100 feet above the ground. The move to the new site was completed October 12, and has proven to be a great improvement over the previous Hospital site.

(WASHINGTON, DC) ----- Rumor is out that the FCC is planning on writing an order stating that all repeaters must have their "WR" calls by some particular date ..... January 1975, seems to be the best guess. Also, if you have your repeater license in for some modifications, well, don't expect it to come back for several months..... it is reported that two large stacks exist in Gettysburg one for new repeaters, which is getting priority, and the other stack for the modifications. Turnaround on an initial application is running around three months it appears.

(CHARLOTTE, NC) ----- The Charlotte Radio Club is planning to install a repeater on 46/06 in the very near future. License has been applied for. The machine will be located on the WSOC-TV tower on North Tryon Street in North Charlotte. This frequency was formerly occupied by WR4ABK which has ceased operation.

CVRA RE-STRUCTURE

At the Board Meeting, August 31, 1974, held in Shelby, NC, the Directors approved a new set of Articles of Association and By Laws for the CVRA which prescribe a more functional organization than we have had in the past.

The Association has been divided into nine (9) districts which conform to geographical boundaries and tend to group member repeaters into natural communications areas. The Repeater Representatives in each district elect a Director and Vice Director from their number to represent their district. The nine Directors make up the Board of Directors and the Frequency Coordinating Committee. The Director and Vice Director are elected for two year terms beginning on odd numbered years, ie 1975, 1977, etc.

The four (4) Officers - a President, Vice President, Secretary, and Treasurer - are elected from all the Repeater Representatives by the Board of Directors. Officers are elected for two year terms beginning on even numbered years, ie 1976, 1978, etc. For the year 1975, only, officers have been elected for a one year term and we will resume the regular two year election schedule for officers next year.

This new organization will insure that the leadership of the Association gets spread out over the three state area, and not get concentrated in a small area. This has been one of our major problems as it is very difficult to get a representative group from the three states together at one time in order to have representative elections. From now on, elections will be conducted by mail ballot --- as they were for the current Directors. Nominating Committees are appointed in each district to provide a slate of candidates -- likewise a nominating committee composed of three directors provide a slate of officers. Additional nominations may be submitted from the other repeater representatives.

The Director is the primary representative of the Association within his district. He is supported by a Vice Director, and he may appoint other Repeater Representatives or Associate Members to assist in special assignments to adequately cover his district. He maintains contact with all Repeater Representatives in his district and actively solicites leads on individuals or clubs interested in installing a repeater. He also maintains contact with repeaters who may not be members of the Association to minimize conflicts which may arise. He maintains contact with other Directors in the Districts surrounding his, and also with representatives of other repeater associations or repeaters that are not in the three states of the CVRA. The Director is a member of the Association's Frequency Coordinating Committee, which is headed by a Chairman appointed by the President. The Director advises the Chairman of potential problem areas regarding frequency recommendations. He must therefore be fully knowledgeable of the coverage areas of repeaters in his district and of their future plans. He attends meetings of the Board of Directors and serves as the "sounding board" for ideas and problems concerning repeaters and VHF/UHF interests in his district. He actively solicites repeater groups to join the Association and encourages both owners and users to cooperate with the Association in providing a unified voice for the CVRA area. The Director keeps the Newsletter Editor supplied with information from his district so as to keep all levels of the membership informed of activities within.

The Vice Director maintains close contact with the Director concerning matters of repeater memberships and actively solicites Association memberships, both Repeater and Associates. He works with the Associate Membership Chairman and the Repeater Membership Chairman to frequently review the status of membership levels in his district.

DISTRICTS OF THE CAROLINAS-VIRGINIA REPEATER ASSOCIATION

---------- MEMBER REPEATERS ----------

MOUNTAIN
Director: WB4MOV
Vice Dir: W4PDL

Galax, Va.	WR4AHR 69/09
Roanoke/Salem, Va.	WR4AFE 28/88
Roanoke, Va.	WR4AHT 34/94
Danville, Va.	WR4AHG 10/70
Lynchburg, Va.	WR4ADY 34/94

NORTHERN
Director: K4ARO
Vice Dir: K4PQD

Charlottesville, Va.	WR4ADV 28/88
Lexington, Va.	WR4ABU 01/61
Richmond, Va.	WR4ACW 28/88

BAY
Director: WB2LAI/4
Vice Dir: WA4JZX

Chesapeake, Va.	WR4ACN 19/79
Elizabeth City, NC	WR4ADN 28/88
Manteo, NC	WR4AKB 34/94
Murfreesboro, NC	WR4AFB 31/91
Virginia Beach, Va.	WR4AAC 37/97

WESTERN
Director: WA4MWC
Vice Dir: WA4NUO

Kingsport, Tenn.	WR4ADO 16/76
Asheville, NC	WR4AEV 16/76
Asheville, NC	WR4AGF 22/82
Anderson, SC	WR4___ -----
Caesars Head, SC	WR4ADG 01/61
Greenville/Greer, SC	WR4ABG 34/94
Pickens, SC	WR4ADP 40/00
Lake Toxaway, NC	WR4AGH 81/21

PIEDMONT
Director: W4BUZ
Vice Dir: W4IRE

Greensboro, NC	WR4ABL 16/76
High Point, NC	WR4ADT 40/00
High Point, NC	WR4AFV 19/79
Lenoir, NC	WR4ACM 25/85
Lexington, NC	WR4ABX 31/91
Mt. Airy, NC	WR4ACJ 37/97
Reidsville, NC	WR4ADE 25/85
Salisbury, NC	WR4AAA 13/73
Winston-Salem, NC	WR4ACA 04/64
Roaring Gap, NC	WR4AGS 22/82

EASTERN
Director: WA4WTX
Vice Dir: K4ITL

Burlington, NC	WR4AIF 07/67
Durham, NC	WR4AGC 22/82
Durham, NC	K4RUQ 34/94
Fayetteville, NC	WR4ADK 31/91
Raleigh, NC	WR4ACF 04/64
Raleigh, NC	K4ITL 28/88
Durham, NC	WB4DBB 220 mHz

CENTRAL
Director: K4WHQ
Vice Dir: WB4NDB

Charlotte, NC	WR4AEU 34/94
Charlotte, NC	WR4AFI 450 mHz
Shelby, NC	WR4ABF 28/88
Spindale/Cherry Mt.	WR4AHA 07/67
Rock Hill, SC	WR4AJO 43/03

SOUTHERN
Director: K4FR
Vice Dir: K4OKD

Charleston, SC	WR4AFX 34/94
Columbia, SC	WR4ABA 28/88
Florence, SC	WR4AGM 37/97
North Augusta, SC	WR4ABB 13/73

COASTAL
Director: WA4UQC
Vice Dir: W4NTQ

Aurora, NC	WR4ABQ 34/94
Beulaville, NC	WR4ADS 34/94
Grifton, NC	WR4ABP 16/76
Seven Springs, NC	WR4AEF 25/85
Wilmington, NC	WR4AHL 22/82

NET REGISTER

Lexington, Va.	WR4ABU 01/61	Central Virginia Tfc Net	daily @ 2000
Salisbury, NC	WR4AAA 13/73	Central North Carolina Tfc Net	daily @ 2200
Fayetteville, NC	WR4ADK 31/91	Cape Fear ARS Net	daily @ 1900
Catawba Co., NC	Simplex 82/82	Catawba Co. RACES Net	Monday @ 1900
Charlotte, NC	WR4AEU 34/94	Mecklenburg ARS Net	Monday @ 2000
Lenoir, NC	WR4ACM 25/85	Western Piedmont Emerg. Net	Wednesday @ 2100
Winston-Salem, NC	WR4ACA 04/64	Forsyth Co. RACES/CD Net	Wednesday @ 2130
Chesapeake, Va.	WR4ACN 19/79	Amateur Community Network	Thursday @ 1900
Greensboro, NC	WR4ABL 16/76	Guilford Co. Emerg. Net	Thursday @ 2100

All times are local time. If there is a net that meets in your area, whether it be on a repeater or simplex, please pass the info on to the Editor for this list.

CLUB MEETING CALENDAR

Charleston, SC	Holiday VHF Society, 2nd Wed ea mo @ 1930, Holiday Inn, sponsor of WR4AFX 34/94
Salisbury, NC	Rowan ARS, 2nd & 4th Mon ea mo @ 2000, Salisbury City Hall, sponsor of WR4AAA 13/73
Fayetteville, NC	Cape Fear ARS, 2nd Mon ea mo @ 1900, USO Bldg, sponsor of WR4ADK 31/91
Charlotte, NC	Mecklenburg ARS, last Tue ea mo @ 1900, Red Cross Bldg on Park Road, sponsor of WR4AEU 34/94
Greensboro, NC	Greensboro RC, ea Fri @ 1930, club house near Friendship Airport; Business mtg 1st Fri ea mo.
Winston-Salem, NC	Forsyth ARC, 2nd Fri ea mo @ 1930, Naval Reserve Tng Ctr.
Charlotte, NC	Charlotte RC, ea Thur @ 1900, Club Room in bldg at WSOC-TV on N. Tryon St., Business Mtg 1st Thur ea mo., sponsor of future repeater on 46/06.

(BURLINGTON, NC) ---- The newly formed N. C. Amateur Radio Council has been asked by the Exchange Clubs in North Carolina to assist them in the state wide lighting of Christmas Trees. Plans are to relay the lighting of the tree in Raleigh by the Governor via 2 meters to a amateur operating on 3923 kHz who will broadcast the event all over the state. It is hoped that local amateurs will pick this up and carry it via 2 meters to the points where local officials will be lighting Christmas trees all over the state. You may be called on to assist in this public service venture---- let's give it our support. The lighting date is December 16, at 4:30 PM.

(CHARLESTON, SC) ----- WR4AFX, 34/94, is temporarily off the air for a major overhaul. It should be back on the air late in November. At that time a 450 repeater will also be placed into service on 449.1/444.1. The 34/94 machine will be equipped with a new receiver and greatly improved control circuits. Both machines will be at the original site -- on top of the Holiday Inn Riverview, located on Hwy 17 South, just across the Ashley River from downtown Charleston. The 2 meter repeater will still require 1477 Hz tone for access. Thanks for this info WB4GPS, the new Secretary of the Holiday VHF Society of Charleston, Inc.

South Carolina

ANDERSON	WR4___			*
CAESARS HEAD(GRNVLE)	WR4ADG	146.01	146.61	⊗
CHARLESTON	WR4AFX	146.34	146.94	*
COLUMBIA	WR4ACD	146.34	146.94	
COLUMBIA	WR4ABA	146.28	146.88	*
FLORENCE	WR4AGM	146.37	146.97	*
GREENVILLE (GREER)	WR4ABG	146.34	146.94	*
GREENVILLE	WR4___	146.22	146.82	
LANCASTER	WR4ABM	146.10	146.70	
NORTH AUGUSTA	WR4ABB	146.13	146.73	*
PICKENS	WR4ADP	146.40	147.00	*
ROCK HILL	WR4AJO	146.43	147.03	*

Virginia

BARREN SPRINGS	WR4AFQ	146.07	146.67	
BLUE MOUNTAIN	WR4ADZ	146.37	146.97	
CHARLOTTESVILLE	WR4ADV	146.28	146.88	*
CHESAPEAKE/NORFOLK	WR4ACN	146.19	146.79	*
DANVILLE	WR4AHG	146.10	146.70	*
FAIRFAX	WR4AAD	146.19	146.79	
GALAX(BRIARPATCH MT)	WR4AHR	147.69	147.09	*
HAMPTON	WR4AFT	146.34	146.94	
LEXINGTON(COLE MT)	WR4ABU	146.01	146.61	*
LYNCHBURG(FORREST)	WR4ADY	146.34	146.94	*
LYNCHBURG	WR4AEN	146.16	146.76	
NEW MARKET	WR4___	147.93	147.03	O
RICHMOND	WR4ADI	146.34	146.94	
RICHMOND	WR4ACW	146.28	146.88	*
ROANOKE/SALEM	WR4AFE	146.28	146.88	*
ROANOKE/POOR MTN	WR4AFY	146.38	146.98	
ROANOKE	WR4AHT	146.34	146.94	*
		447.75	443.75	*
STAUNTON	WR4ACL	146.37	146.97	
SUFFOLK	WR4___	146.40	147.00	O
TYSONS CORNER	WR4ABR	146.31	146.91	
TYSONS CORNER	WR4AEY	222.34	223.94	
VIRGINIA BEACH	WR4AAC	146.37	146.97	*
WINCHESTER	WR4AGT	146.22	146.82	
WOODBRIDGE	WR4AII	147.84	147.24	
WOODBRIDGE	WR4AIJ	223.22	224.82	O

* Denotes member of the Carolinas-Virginia Repeater Association

O Denotes repeater under construction

North Carolina

ASHEVILLE/MT PISGAH	WR4AEV	146.16	146.76	*
		222.34	223.94	*
ASHEVILLE	WR4AGF	146.22	146.82	*
ASHEVILLE	WR4___	146.31	146.91	O
AURORA	WR4ABQ	146.34	146.94	*
BEULAVILLE	WR4ADS	146.34	146.94	*
BURLINGTON	WR4AIF	146.07	146.67	*
CHARLOTTE	WR4AEU	146.34	146.94	*
CHARLOTTE	WR4___	146.46	147.06	O
DURHAM	WR4AGC	146.22	146.82	*
DURHAM	WR4___	222.34	223.94	*
DURHAM	K4RUQ	146.34	146.94	*
DURHAM	WR4___	147.75	147.15	O
FAYETTEVILLE	WR4ADK	146.31	146.91	*
ELIZABETH CITY	WR4ADN	146.46	147.06	*
GREENSBORO	WR4ABL	146.16	146.76	*
GREENVILLE	WR4___	147.69	147.09	O
GRIFTON	WR4ABP	146.16	146.76	*
HENDERSONVILLE	WR4ABY	146.04	146.64	
HIGH POINT	WR4ADT	146.40	147.00	*
HIGH POINT	WR4AFV	146.19	146.79	*
JACKSONVILLE	WR4___	146.34	146.94	O
LAKE TOXAWAY	WR4AGH	147.81	147.21	*
LAURINBURG	WR4AIB	146.07	146.67	
LENOIR	WR4ACM	146.25	146.85	*
LEXINGTON	WR4ABX	146.31	146.91	*
MANTEO	WR4AKB	146.34	146.94	*
MT AIRY	WR4ACJ	146.37	146.97	*
MURFREESBORO	WR4AFB	146.31	146.91	*
RALEIGH	WR4ACF	146.04	146.64	*
RALEIGH	K4ITL	146.28	146.88	*
REIDSVILLE	WR4ADE	146.25	146.85	*
ROARING GAP	WR4AGS	146.22	146.82	*
SALISBURY	WR4AAA	146.13	146.73	*
SEVEN SPRINGS	WR4AEF	146.25	146.85	*
SHELBY	WR4ABF	146.28	146.88	*
SMITHFIELD	WR4___	147.72	147.12	O
SPINDALE/CHERRY MT.	WR4AHA	146.07	146.67	*
WILMINGTON	WR4AHL	146.22	146.82	*
WINSTON-SALEM	WR4ACA	146.04	146.64	*

Tennessee

KINGSPORT	WR4ADO	146.16	146.76	*

This repeater list is published as a service to members of the CVRA & may be reproduced for re-publication. A credit to the source would be appreciated.

$\frac{146.07}{24} = 6086.25$

$\frac{146.07}{18} = 8115$

(WINCHESTER VA)---WR4AGT machine is operated by the Shenandoah Valley Amateur Radio Club. The machine on 22/82 is squelch operated and is located at the clubhouse. It provides coverage in Northern Virginia and along Interstate 81. The machine is a Dycomm Echo III, running 20 watts with a Gam 6 db. antenna at 70' HAAT. The duplexer is a DB Products 4048 with one cavity. Phone line control is used. (Tnx W4ACC)

(LAKE TOXAWAY NC)---The Lake Toxaway machine, WR4AGH, should be in operation soon. The 25 watt machine is on 147.81/21 and will operate from 1800-0000 local time during the week and all day Saturday and Sunday. The rig is a Motorola Sensicon and is 2000' atop Toxaway Mountain. Mobile coverage should include Transylvania and Jackson Counties in N. C., and Greenville County, S. C. The Twin 11-element Yagis should provide base station coverage east to Charlotte. The machine is open, carrier access, narrow banded, and will be used primarily as a DX information machine. Association reps are Gary Dixon K4MQG in Charlotte and Mike Boling K4VWR in Taylors, S. C. (Tnx K4MQG)

(COLUMBIA SC)---The WR4ABA machine on 28/88 uses a Standard Communications Repeater running about 7 watts through a Phelps-Dodge Duplexer into a 135' high J-Pole antenna. It currently offers good coverage in Richland, Lexington, Sumter, and parts of Newberry, Fairfield, and Calhoun counties. Mobile range is approximately 35 miles. Association reps are J. C. Branham WA4MPC and Gene Blevins K4UJQ. (Tnx K4UJQ)

(SUFFOLK VA)---New machine planned with tenative frequency of 40/00. This machine is under construction with a hoped-for birth around the first of December. The machine will be sponsored by the Nansemond Repeater Group, instead of the Suffolk club as previously reported. (Tnx WA4HMT)

(MT PISGAH NC)---Plans still going ahead for an additional machine on Mt. Pisgah. Plans are for a 449.9/444.9 machine, tenatively, although this could be modified. Machine would likely be at the present WA4BVW site. (Tnx WA4COS)

(COLUMBIA SC)---Why isn't the 34/94 WR4ACD machine a member of the association? Well, it apparently was a paperwork mixup that is being taken care of. Welcome! (Tnx K4AVU)

(WINSTON-SALEM NC)---A bit of reorganization is underway with the Forsyth County Amateur Radio Emergency System (Forsyth CARES) machine, WR4ACA, on 04/64. The number of control stations are being expanded to provide for longer operating hours until such time as the regulations are modified more. Dwight Jester, WB4SJW, is Secretary of the association.

(CHESAPEAKE, VA) ----- Congratulations to the new officers of the Hampton Roads Repeater Association. They are:

President:	Bernard J. Bailey, W4LMB, Virginia Beach
Vice President:	Lt. William Shaw, WB2LAI/4, Chesapeake
Secretary:	Stanley W. Oliver, K4TJA, Portsmouth
Treasurer:	Wayne Butler, W4KBY, Norfolk

Representatives to the CVRA are WB2LAI and W4JEM.

(HILLSBOROUGH, NC) ---- Herman, WB4DBB, continues to work on the planned 222.34/223.94 machine that may ultimately become fulltime at the Durham FM Association 22/82, WR4AGC, site. Experiments with the machine at 10 watts in Durham with minimum antenna height have provided solid mobile coverage for 6-8 miles with spotty coverage to 15 miles. Hopefully, at the new site, mobile coverage would be 20-25 miles with base stations out to Raleigh in the East and Greensboro in the West. WB4DBB has joined the CVRA since the last "Journal" as a Full Member and serves as the Representative to the Association.

(BURLINGTON, NC) ---- WR4AIF, 07/67 uses a Pocket Mate with a 40 watt amplifier feeding a pair of Ringo Rangers mounted on a 100 foot tower which was just recently installed. According to reports from the Greensboro area, the repeater is being heard fairly good, even when running on low power. The open machine currently operates from 0630 to 2230 local time at the home of W4VGZ. Reps to the CVRA are "Buff" Buffington, W4VGZ, and Buster Bradford, WB4ZIN.

(GREENVILLE, TENN) ---- WR4AHP, 10/70, antenna going to Viking Mtn (4880') on the Tennessee/North Carolina line. It could already be moved by now.

(BRISTOL, TN/VA) ----- WR4ADZ, 28/88, machine now has antenna on Short Mtn about 1800'.

(JOHNSON CITY, TENN) --- New machine here on 19/79 according to reports. Antenna on Buffalo Mtn, about 3200'. (Call is WR4AIP --- tnx W4BUZ)

(CHATTANOOGA, TENN) ---- For those of you traveling in the westerly direction, there is a new repeater on Lookout Mtn on 04/64.

(BARREN SPRINGS, VA) ---- WR4AFQ, 07/67, now on the air but having some desensing problems. Reports from Greensboro state that the repeater can be heard in that area, but very few people have been able to get into it.

(WOODBRIDGE, VA) ---- The mobile hole between Richmond and Washington has been filled by the Woodbridge, WR4AII, machine operating on 147.84/24. They also are working on a 223.22/224.82 repeater which will be on the air in the future.

(MANTEO, NC) ---- The license for the 34/94 machine at Manteo arrived November 9. The call of WR4AKB will soon be sounding out over the outer banks of North Carolina. W4PCN, Chief Engineer and watchdog for the new repeater expects to have it on the air by November 15. The repeater will use separate antennas for receiving and transmitting, located on a 100 foot tower.

(VIRGINIA BEACH, VA.) ---- Welcome to the Association WR4AAC, 37/97---- sponsored by the Virginia Beach Amateur Radio Club. The WR4AAC machine is located at a City Fire Station, with the receiving antenna at 250' and transmitting antenna at 125'. The repeater is basically Motorola equipment and has an autopatch. It is an open machine, carrier access. The repeater provides good coverage to the Tidewater area with normal operating hours of 0700-2300. Representatives to the Association include Wally Burkett, and Cecil Oliver, WA4VQQ. It is certainly a pleasure to have WR4AAC a Full Member of the CVRA.

COMMENTS ON DOCKET 20112 -- AUTOMATIC CONTROL OF REPEATER STATIONS

The above titled Docket is a proposal by the Commission to allow repeaters to operate by "automatic control" -- if certain requirements are met and maintained. Comments on this Docket were due by October 30, and as with all rules modification, the Carolinas-Virginia Repeater Association submitted its comments. Don Harris, W4BUZ, is the FCC Liason Officer for the CVRA and submits comments on behalf of the Association, and its 47 member repeater organizations and 400 Associate Members.

Normally, the comments submitted by the Association are not reviewed in detail in the "Journal" other than to say whether the CVRA filed in favor or in opposition to a specific Docket. In this case however, the subject is one of major concern to the repeater operator and the main issue between the FCC and the amateur ever since the rules for repeaters were drawn up in the Fall of 1972, the famous Docket 18803.

Docket 20112 proposes that a repeater may be operated without a control operator "on duty" to provide real time monitoring. Their proposal states that all repeaters may not be able to use this privilege however since certain other points must be followed. First, since you will not be providing real time monitoring, you must provide a way to review the activity through the repeater every 72 hours -- such as recording everything and reviewing it 72 hours later. These tapes must be retained for 30 days. If the Trustee/Control Operators found that violations were in fact occuring during these periods, and they were not able to be brought under control, then automatic control could not be exercised by the repeater until they could be assured that the violations would not occur again. To be able to use the automatic remote control privilege the amateurs must continue the persistent self-enforcement efforts that have been a tradition in the amateur service. As stated in the FCC paper that reviews the Docket... "The self-policingclaims and reputation long associated with amateurs would be thoroughly tested by this proposed method of repeater control".

Well, after all of that, how do we feel? Certainly this will go a long way to providing 24 hour service of repeaters, and to fill in the gaps of a few hours on Sunday mornings and early afternoons when it is difficult to find a Control Operator for the repeater. This will require that the typical repeater will operate with a Control Operator on duty, monitoring in real time, just as is done now, during most of the day and fill in the slow times with automatic control. I imagine that was the thinking of the FCC staff when they put the Docket together. Of course, the CVRA filed "in favor" of the Docket. After all, it is certainly better than what we have today. But in addition, we filed additional comments, expressing our thoughts on further relaxations.

It is still the opinion of the CVRA that the technical operation of the repeater should be the responsibility of the Trustee/Control Operators, but the burden of communication content should be placed on the originating station. No difference exists between the responsibility for proper operation of a station on a repeater input frequency than on 75 meter sideband. If the repeater is shut down, the offense can still continue on the input frequency for all to hear who feel like turning their rigs to that frequency. Who is it that shuts down the 75 meter phone band when a rule is broken? If a fellow is going to violate the rules, and willingly does it on the input frequency of a repeater so it can be heard all over the place, he will also be the same one that gets his 2000 watt p.e.p. sideband transmiter on 20 meters and commits the same violation so all the world can hear. The ARRL system using "Official Observers" has been effective on the lower bands, and its extension to the VHF frequencies

will provide the control needed there also. OO notices sent to the occassional rule breaker lets him know that there are people listening that are aware of what is going on, and if one tends to become a habitual offender, the Commission can be advised. And it will be much easier for the FCC to monitor a habitual defender if he is on a repeater, than to have to catch his 10 watt mobile signal simplex.

Each repeater "Control Operator" should let ARRL know that he would be willing to serve as a VHF Official Observer.... now I don't imagine that ARRL will appoint that large a number of OO's in a small area, but it would probably expand its program if the interest was shown to exist. I know of several VHF OO's that have been appointed recently in North Carolina ... I don't think they were named strictly as VHF OO's, but most operate VHF quite a bit.

The Official Observer program offers a lot to the repeater owner. We have always advocated that it is best not to try to correct a violation over the air, let the fellow have his say, but get to him quickly on the telephone or via letter and let him know that he was out of line and could get himself and others in trouble.

So much for the Docket..... yes we support it, and with the continued efforts of organizations such as ours, working with ARRL, and maintaining the support of all repeater users, we will someday fully demonstrate to the Commission that we are responsible enough to have the freedom we desire. As long as changes such as this are being pursued by the FCC, then we are moving in the right direction. If changes stop, or if they start in the other direction then we are in trouble for sure.

I would like to thank Don Harris, W4BUZ, and Chuck Bino, K4CJZ, for much of the thoughts and opinions expressed herein .... along with my own; Bill Parris, K4GHR.

(ROANOKE, VA.) ----- W4SZV, Trustee of WR4AHT (34/94), proposes the following Touctone standards for repeaters: "A six digit prefix and a two digit function, a) the first three digits correspond to the telephone area code where the repeater is found, b) the second three are a unique numerical designation for a particular repeater within that area, c) the last two digits everywhere standard for a special user function such as autopatch. Any special functions (secret) could carry special access codes". Any comments?

(GREENSBORO, NC) ----- WR4ABL (16/76), will not be operated as a remotely controlled repeater for a short while as licensing modifications are completed with the FCC. It will be operated by local control periodically, but its usual faithful service will be interupted for the next few weeks.

(GALAX, VA.) ----- WR4AHR (69/09), will be on the air 24 hours each day by mid November. Terrific location, so give it a try.

(ELIZABETH CITY, NC) ---- WR4ADN is planning to move its frequency from 28/88 to 46/06 --- exact date of the change is not known.

(GREENSBORO, NC) ----- A group in Greensboro is planning on organizing a FM Association --- first meeting was November 15, for the election of officers. Those interested in joining this new organization, contact K4IAR for more info.

(DURHAM, NC) ----- WB4DBB is interested in putting up a 6 meter repeater. Anyone interested in supporting such a machine in the Durham area, please contact Herman.

(JACKSONVILLE, NC) ---- Rumor is that Sid Purvis, WA4VBC, formerly of Fayetteville has moved to Jacksonville and has set up a repeater on 34/94 --- just waiting for the ticket to arrive now. How about more details Sid?

(FAYETTEVILLE, NC) ---- New officers of the Cape Fear ARS, sponsor of WR4ADK, 31/91, are:

President:	Don Finley, K4NUG
Vice President:	Van Peterson, K4QFK
Secretary:	Rolland Sommerville, WB9IBN/4
Treasurer:	Garland Knott, WN4IYY

(CHESAPEAKE, VA) ----- A recent news bulletin from Chesapeake reported that twenty-seven amateurs provided communications for out-lying voting precincts and the General Registrars Office on Election Day. The repeater WR4ACN, 19/79, was used.

(LANCASTER, PA.) ----- Ed Clegg, W3HJV, Technical Director for International Signal and Control, manufacturers of the well known "Clegg" line of FM Gear, has established liason with all Frequency Coordinators throughout the US, in an attempt to help coordinate frequencies on 220 mHz. He will advise prospective buyers of the Clegg 220 Repeaters of any potential frequency conflict, and work with them in resolving same through the appropriate area frequency coordinator. Something other manufacturers might note .....

(SALISBURY/MOCKSVILLE, NC) ---- WA4KXX is experimenting with a split site repeater on 50 mHz, currently operating on 52.78/52.525. The receiving antenna is at the WR4AAA repeater site, with the transmitter at his QTH.

(HENDERSONVILLE, NC) --- WB4YAO, operator of WR4ABY on 04/64, is planning another repeater for 147.84/24 to be located on Winesprings Bald. No details available. He also is considering a repeater for 52.01/53.99, hoping for a single site 6 meter machine. This is not a standard channel but Dan feels like he will need the frequency separation.

(SAVANNAH, GA) ---- The 28/88 machine is ready to go, just waiting for the license to arrive. Tnx WB4GPS.

MISCELLANEOUS NEWS BRIEFS K4GHR

The Association continues to grow in tremendous strides. We now have 52 Full Member Repeater Groups that are members. Joining since the last "Journal" include, WR4AAC (37/97), Virginia Beach, Va.; WR4___ (222.34/223.94), Durham, NC; WR4AGH (81/21), Lake Toxaway, NC.

Interested in CW practice sessions? Listen to WR4ABL, 16/76, Greensboro, each Tuesday and Thursday at 2030 and K4ITL Repeater, 28/88, Raleigh each Wednesday and Sunday at 2100.

CVRA Brochures will be in the North Carloina Welcome Centers by January 1, 1975. Welcome Centers in Virginia and South Carolina will be contacted shortly there after. Tell traveling amateurs to stop and pick up the latest repeater listing.

Repeater Membership dues for Full Members will become due on January 1, 1975. Repeater update forms will be mailed to all Repeater Representatives in December to be returned with the $ 6.00 dues for 1975.

A NOTE FROM THE PRESIDENT

Bill Parris, K4GHR

Since this is the last Newsletter for this year, I would like to express my appreciation to you for the opportunity to serve as your President. The efforts of all of you in the support of the Association have made it easy to serve. We are recognized around the country as one of the strongest repeater groups in existence. Our emphasis on resolvement of frequency problems, careful planning of repeater frequencies, constant pursuit for members, compliance with standard band plans, regular newsletters to keep the membership informed, and the demonstrated mutual respect between repeater representatives and owners, has allowed the Carolinas and Virginia to be one of the finest areas of the country for VHF repeater operation. Our problems really appear to be minor when you hear of problems in other areas. Just listen to the activity through our machines and you will hear a transient mobile comment about the accessibility and coverage of our repeaters..... yes they enjoy traveling through our area.

Having served in the original organization of the Association in 1971, and continuously since that time as Secretary/Treasurer and President, plus fulfilling the job as Editor of the Newsletter, I did not consider myself as a candidate in 1975 for any elective office. I felt it was time for some others to enject some new ideas into the Association. I will remain very active in the CVRA and have accepted the appointment to continue as Editor of the "Journal".

I congratulate all of the new officers and Directors who have been selected to serve, and I know they will receive the backing required to maintain our leadership position.

MORE LATE NEWS ---- almost to late to get in this issue .....

New radio club in Charleston, SC--- the Trident Radio Club, WA4DAX Pres. The Holiday VHF Society & this new club are planning a Hamfest for Jul 12-13, 1975. There may be a repeater in the wind for Beaufort, SC---- no details as yet.

Are you doing your share toward the financial support of your local repeater? There are more and more people thinking about starting their own repeater, well you had better think it through carefully. It takes more than 5 or 6 amateurs to keep one of these things going. If your area is not adequately served by a repeater, why not work with the nearby group to expand the coverage of an existing repeater rather than starting up another one? But you should be supporting <u>one</u> repeater, just pick one out, they will be glad to see you.

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APPLICATION FOR ASSOCIATE MEMBERSHIP
CAROLINAS-VIRGINIA REPEATER ASSOCIATION

NAME: _____ CALL: _____ DATE: _____

ADDRESS: _____ PHONE: _____

CITY: _____ STATE: _____ ZIP: _____

MEMBER OF ARRL? _____ MY HOME REPEATER IS: _____

Mail to:

Enclosed is: _____ $ 2.00/one year Carolinas-Virginia Repeater Assn.
Lindsay Cleveland, W4IZI
_____ $ 4.00/two years P. O. Box 3325
Burlington, NC 27215

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